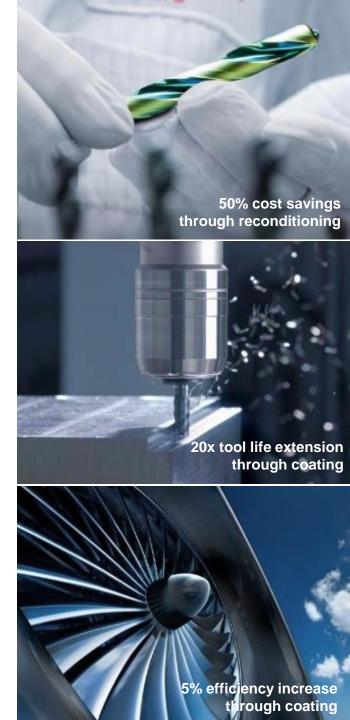


Agenda

- 1 Overview

 Market leader in sweet spots with technology barriers to entry
- Pure Play Transformation
 Unlocking value
- 3 Surface Solutions
 Well positioned for 4-6% sales growth and 300bps margin upside
- 4 Polymer Processing Solutions

 Market leader exposed to structural mid-term growth
- Operational Execution & ESG
 Enabling profitable growth and avoided emissions for customers



There is not a single day without Oerlikon



Industrial technology leader in sweet spots with barriers to entry





Surface Solutions (56% of sales)

Integrated coating solutions based on broad technology portfolio

Polymer Processing Solutions (44%)

Equipment to process polymers used in filament and non-filament

#1

Market leader in coating solutions and Filament

>30k

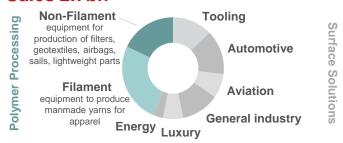
Customers incl. OEM & tier 1

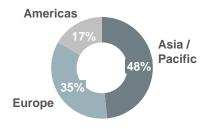
Market leader in sweet spots with technology entry barriers



Broad market coverage

Sales 2.7bn

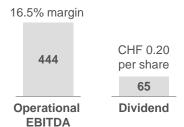




Aligned to key megatrends



Key financials 2023





Robust financials despite transitory filament downturn

Growth strategy Surface Solutions





Accelerate regional expansion

Increasing demand for surface solutions driven by efficiency, performance and sustainability

- Realize >20% sales upside in Americas and Asia with new regional organization
- Leverage competitive advantages of integrated offering and broad technology portfolio

>20% sales upside



Leverage techleadership into new areas

- +10% sales upside from extending technology leadership and leveraging core competencies into new growth areas
- Focus on growth opportunities in future mobility, luxury, semiconductor, and cleantech industries

+10% sales upside



Optimize portfolio

- Actively manage portfolio towards high-margin solutions
- Envision selective and accretive bolt-on acquisitions, opportunistically

A&M

& operational upside



Drive cost stewardship

- +300 bps upside ... 20-22% EBITDA margin target in mid-term
- Drive operating leverage, actively manage portfolio, efficiency and innovation

+300bps margin upside¹



Mid-term growth potential p.a.; short-term impacted by macro headwinds

+5% Sales CAGR 15-19²

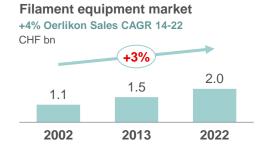
+8% sales CAGR 21-23²

Mid-term growth drivers Polymer Processing Solutions





- **Filament equipment market grew** with 3% CAGR 02-22 driven by underlying manmade fibers market growth, innovation, rising GDP and limited alternative resources
- Positive mid-term outlook supported by need for energy saving machines and intact historical growth drivers
- 2023 and 2024 with transitory sales headwinds resulting from customers postponing investment decisions ¹



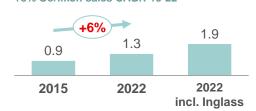


Fragmented Non-Filament markets

- Market share gain supported by technology synergies with Filament and highly fragmented markets
- 2023 and 2024 impacted by customers postponing Capex decisions in some end markets
- Non-Filament scope to be reviewed in context of pure play strategy

Non-Filament equipment market

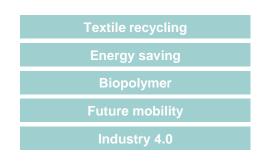
+8% Oerlikon sales CAGR 15-22





Upside from long-term trends

- Drive R&D to capitalize on long-term trends like textile recycling and biopolymers beyond 2025
- Supported by leveraging of machinery and process knowhow as well as market access





Short-term impacted by headwinds

Historical Oerlikon sales CAGR are organic and FX adjusted; 1) Customers started to postpone investment decisions (orders) in H2'22 following a) >2 years of lockdowns in China, b) higher stockpiles in the textile industry and selective consumer spending (inflation), c) logistics challenges and tighter financing in China; d) globally weakening industrial production; price cost spreads ('cash margin') of filament customers were negative in 2022 and started to recover into positive territory throughout 2023



Pure Play Transformation Unlocking Value



Oerlikon finalizing portfolio transformation started 10 years ago



From 5 Divisions in 2014 ...

Surface Solutions

Polymer Processing Solutions



Market Leaders in sweet spots with technology entry barriers

Drive Systems

Advanced Technologies





To 2 Divisions 2019 - 2024



- Limited synergies given different end markets, geographies, customers, business models and cycles
- Return focus on transformation following COVID and increasing geopolitical tensions



- Divested: Transitioned to better ownership
- CHF 1.2bn proceeds used for M&A (CHF 1.1bn) and extra ordinary dividends (CHF 0.4bn)

2024 - 2026



- Become agile and focused
- Create distinct investment opportunities

Pure play implementation on-track

Update 5 November 2024

œrlikon

Evaluations ongoing to separate Manmade Fibers

 Looking into various options for the value accretive separation of Polymer Processing Solutions' Manmade Fibers business ¹

Executing on organizational separation

- The Manmade Fibers business will be set-up as a largely independent organization as of January 2025
- Ready for intended separation

Executing on future cost efficiency

- Clear plan to adjust overhead costs to pure play scope by merging overhead with Surface Solutions
- Initiated FTE streamlining; further SG&A cost measures being implemented
- Target to eliminate all overhead costs, which are currently borne by Manmade Fibers



Surface Solutions well-positioned for profitable growth

œrlikon

Sound positioning

Market leader in cutting-edge surface technology

Present in niche market

At technology forefront since 1946 (PVD)

Application knowhow of interdisciplinary sciences

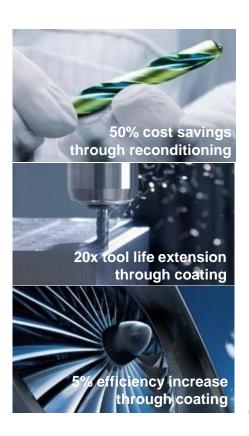
Long-standing customer relationships & industry expertise

Strong credibility through integrated offering

Small cost on customers' bill, with significant value proposition

Diversified end markets and technologies since 2013

Enabling efficiency & sustainability



Clear set of growth levers

Accelerate regional expansion

Leverage techleadership into new areas

Improve profitability



Mid-term growth target



Oerlikon Surface Solutions Division Overview



Surface Solutions is well positioned for profitable growth



- 1
- **Sound positioning:** Surface technology leader in niche market with high barriers to entry and diversified end market exposure

- 2
- **4-6% sales growth** potential: Capitalize on increasing demand for surface solutions by driving regional expansion and leveraging technology leadership into new areas

- 3
- +300 bps upside to 20-22% EBITDA margin target in mid-term, supported by operating leverage, cost focus, innovation and active management towards high-margin solutions

4

Enable customers' sustainability and drive environmental progress in own operations

Enabling efficiency and avoided carbon emissions for customers



Surface solutions improve efficiency, performance and sustainability

Uncoated Older standard Coating Oerlikon Coating

Oerlikon Coating

Coatings **protect tools** after >4500 holes drilled

corrosion protection | environmental protection | strength | abrasion protection | hardness | chemical stability | conduction control | permeability control | anti-sticking | color flexibility | decorative enhancement | thermal stability | antibacterial | bio-compatibility | magnetism control | anti-reflection | easy cleaning | safety | wear resistance | insulation control | thermal protection | clearance control | erosion protection

1) Across 2019 installed base of aero engines; 2) 20x reflects average across tooling, with peak extension up to 160x

Oerlikon's coatings for Tooling and Aviation save >100% of Swiss CO₂ emissions



20x lifetime extension ² of a metal tool through coating... resulting in significant metal saving, saving annually ~8.3 mio metric tons CO₂ or ~28% of **Swiss CO₂** emissions





5% efficiency increase in aero turbines through coatings... equaling ~26 mio metric tons of CO₂ reduction annually ¹ or ~88% of Swiss CO₂ emissions





Coatings **enable lightweight** materials... 10% less weight extends car driving range by 5-7%...for a 650 km EV this is equivalent to a **marathon**

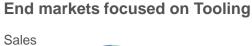


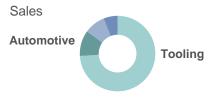
Developed Surface Solutions into a diversified technology leader close to customers





2013







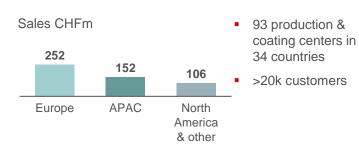
Specialized in PVD for tooling & automotive with limited growth opportunities

PVD for tooling and automotive



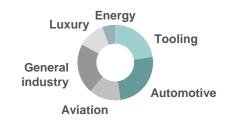


Functional organization out of Europe



2023

Diversified end markets aligned to key megatrends

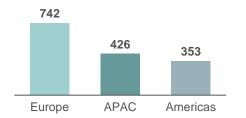


Diversified across technologies with growth potential

- PVD/CVD (services & equipment) for tooling, medical, automotive, luxury, energy
- Thermal Spray (equipment & materials) with aviation and energy as key markets
- Additive Manufacturing (services and materials) with focus on aviation (incl. space) and semiconductors



Geographical organization driving regional growth



- 161 production & coating centers in 36 countries
- >30k customers

Surface Solutions at a glance





Key metrics

Integrated hightech offering



Sales split



Customers

#1

Market leader in coating solutions

CHF 1.5bn Sales

17% EBITDA margin ¹

8'432 FTE's

Market leader in coating solutions



Coating services



Coating materials



Coating equipment



Components



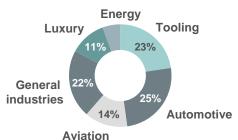
Additive manufacturing

Enabler of avoided emissions for customers





By industry



Global and diverse end markets

>30k active customers including industry leaders

Serving top players

- 100% in Tooling
- 75% in Automotive
- 75% in Aviation
- 100% in Energy

Top 10 customers account for ~7% of sales

Broad and stable customer base

Market leader in niche market with high barriers to entry





Market leader in high-tech niche surface solutions markets

PVD competitors include Ionbond (IHI), Eifeler (Voestalpine), Cemecon; Thermal spray competitors include Höganäs and Praxair (Linde) ¹



At technology forefront since 1946 (PVD)

e.g. BALINIT ALCRONA EVO (launched in 2024) features 30% tool life increase vs. predecessor coating BALINIT ALCRONA PRO (2010)



Application knowhow of interdisciplinary sciences is key

incl. materials science, physics, chemistry, engineering and IT



Long-standing customer relationships and industry expertise

Oerlikon with >150 coating centers globally, joined R&D with customers, present across major industries, strong brand

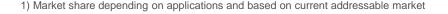


Strong credibility through integrated offering

Leveraging unique positioning of integrated offering (services, materials, equipment) and broad technology portfolio (incl. PVD, thermal spray, additive manufacturing)







Growth strategy Surface Solutions





Accelerate regional expansion

Increasing demand for surface solutions driven by efficiency, performance and sustainability

- Realize >20% sales upside in Americas and Asia with new regional organization
- Leverage competitive advantages of integrated offering and broad technology portfolio

>20% sales upside



Leverage techleadership into new areas

- +10% sales upside from extending technology leadership and leveraging core competencies into new growth areas
- Focus on growth opportunities in future mobility, luxury, semiconductor, and cleantech industries

+10% sales upside



Optimize portfolio

- Actively manage portfolio towards high-margin solutions
- Envision selective and accretive bolt-on acquisitions, opportunistically

M&A

& operational upside



Drive cost stewardship

- +300 bps upside ... 20-22% EBITDA margin target in mid-term
- Drive operating leverage, actively manage portfolio, efficiency and innovation

+300bps margin upside¹



Mid-term growth potential p.a.; short-term impacted by macro headwinds

+5% Sales CAGR 15-19²

+8% sales CAGR 21-23²

One face to the customer benefiting from integrated portfolio

œrlikon

Technology leadership in materials and equipment drives profitable growth in services



Coating services

- Global network of 150+ coating centers; customer proximity and response time is key
- Pick-up and return within 1-2 days
- Bespoke solution offering
- Technologies including thin film (PVD) and thermal spray



Coating materials

- Manufacturing and sale of powders used in thermal spray and additive manufacturing
- New material development using Scoperta's artificial intelligence platform
- Tailored solutions to specific needs



Coating equipment

- Manufacturing and sale of coating machines including thermal spray and thin film
- Largest installed base of coating machines with global coverage
- Aftermarket: spare parts and field services



Components

- Produce high-performance components
- High-end special materials knowhow: In-house competence center for coated and printed components
- Customer synergies with integrated offering



Additive Manufacturing

- Pioneering the industrialization of additive manufacturing, in series
- Offering 3D printing services and materials (metal-based) for customers in focus application areas



Coating equipment for polymer auto grill



Coated mold



Materials & equipment for turbine blade



Materials & equipment for landing gear



Battery shielding for EVs



Printed support structure for satellite radio antenna

Unparalleled ability to innovate across multiple end-markets





Thin film (PVD)





Thermal spraying



Additive manufacturing

Services, materials, components and equipment based on leading-edge coating technologies

- Carbides, nitrides and other materials are deposited onto the surface of a component or tool; occurs in a high temperature vacuum with the support of electrical and magnetic field forces
- Sustainable coating technology with reconditioning capability for circular economy
- Metals, ceramics and other materials are deposited onto the surface; materials are applied with 'spray guns' at high velocity onto a component through a plasma or combustion stream
- Sustainable coating technology with reconditioning capability for circular economy
- Laser(s) are building complex structures layer by layer from a metal powder bed (3D printing)
- Sustainable production technology with minimal waste compared to subtractive production technology

Oerlikon enabling

surface properties



Integrated modular technologies tailored to the customer's needs

Supported by R&D investments: ~5% of sales

Combining surface technologies tailored to the customer's needs



Case example: SubSea valve

Oerlikon increasing efficiency, extending service life and reducing weight

Thin film (PVD)



Valve coatings: Corrosion, erosion protection, low friction, wear resistance

Thermal spraying

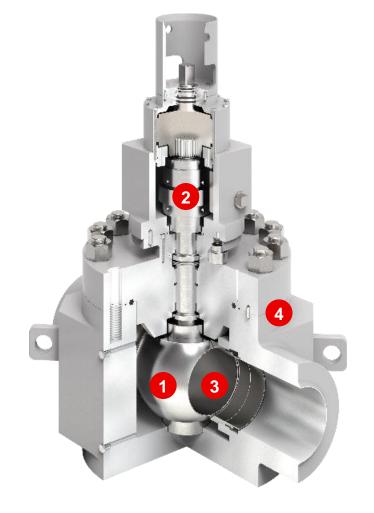


Valve Stems/Actuators: Clearance reduction, antiabrasion, low friction, improve efficiency

Additive manufacturing



Valve Ball & Body: Additive manufacture of valve balls and valve bodies for weight reduction



Cutting-edge surface solutions technology: Deep dive PVD



PVD coatings: Harder than steel ... Coating

... but only a few thousandths of a millimeter thin

Human hair

0.05mm 0.003mm

BALINIT® hard coating

High-tech coating processes: Deep dive PVD

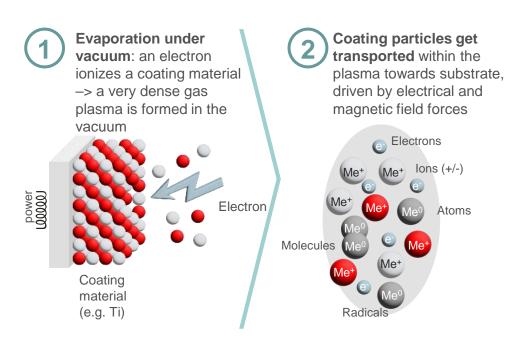


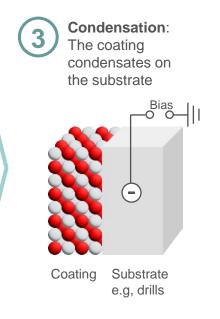
Physical Vapor Deposition (PVD)

PVD is a coating process carried out under high vacuum and at temperatures between 80 and 600 °C; metals are deposited onto a surface serving as ultra thin, resilient and environmentally friendly coating



Drills getting coated in a PVD vacuum chamber







Surface Solutions margins of 20%+ continue to be a key management focus

œrlikon

2019-21:

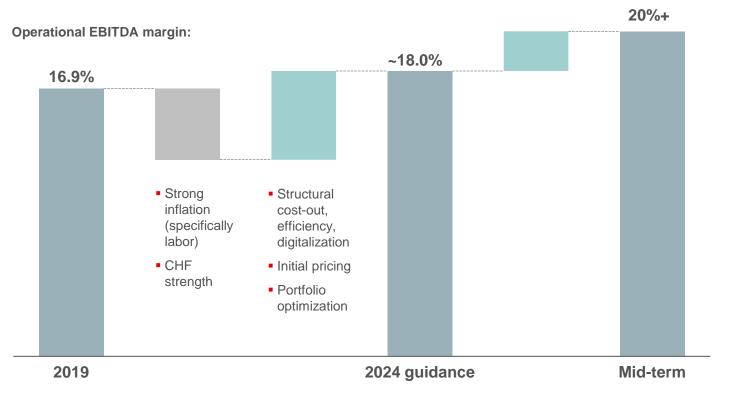
Efficiency gains despite lower sales during COVID ->18.3% margin in 2021

2022-23:

Unprecedented input cost pressure, not yet fully compensated

2024 - Mid-term:

Drive innovation, operating leverage and efficiency



Clear path to 20%+ margin:

- Operating leverage
- Continued innovation and pricing, supported by technology and new dedicated pricing team
- Accelerating automatization and digitalization (SAP implemented by YE'23; digital twin rollout in 2024 to digitize the coating process)
- Operational excellence incl. continued footprint optimization
- Overhead efficiency incl. continued streamlining of organization
- Portfolio optimization towards high-margin solutions



Polymer Processing Solutions Division Overview

Oerlikon is evaluating options for separation of its Manmade Fibers Business

with the aim of value creation for all stakeholders (as announced on 20 Feb 2024 & 5 November 2024)



Polymer Processing Solutions at a glance





Key metrics 2023

#1

Filament market leader with 40-50% share

CHF 1.2bn

Sales

14%
Operational EBITDA margin

3'798 FTE's

Market leader for polymer processing solutions



Offering



Machines & plants

For polymer processing



Components

Hot runner systems, pumps



Services

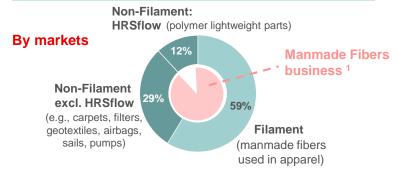
Commissioning, maintenance & repair, advisory and upgrades

Integrated high-tech offering

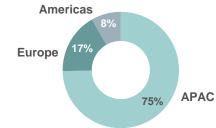


Sales split

2023







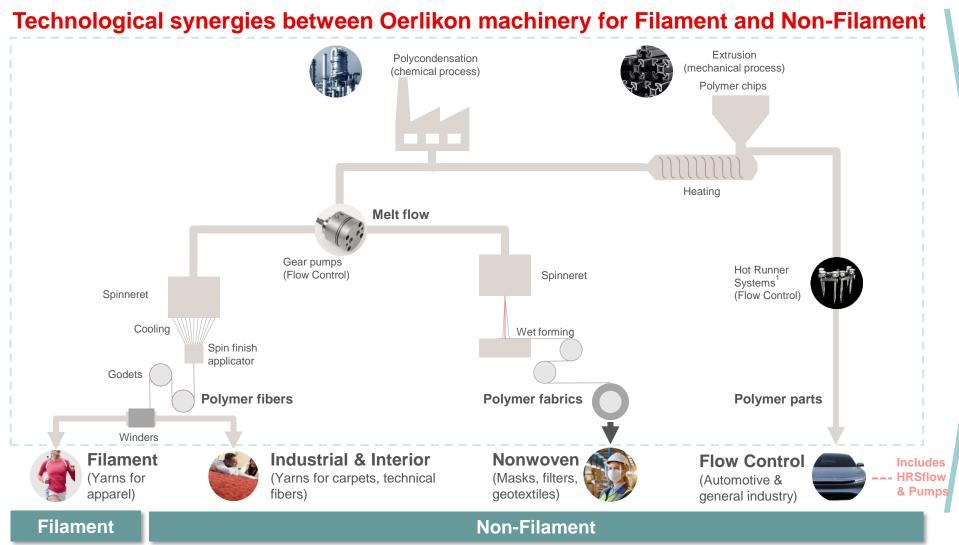
Diversified customer base

Filament: Hengli Group, Reliance Industries, Tongkun, Hengyi, ... Non-Filament: BMW, Magna, 3M, ABB, Berry, ...

Geared towards APAC and Filament

Technological leadership drives growth







(1) Hot Runner Systems only go through the process of extrusion, not polycondensation

Manmade fibers outgrowing natural fibers



Growth drivers



Population growth and affluence



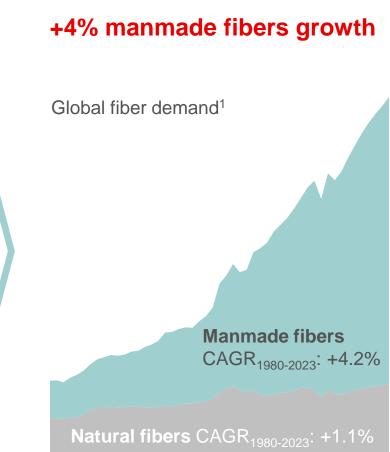
Better availability



Lower resource intensity



Superior product characteristics (e.g., stretch, waterproof)



2000

2010

2020

2030E

1980

1990



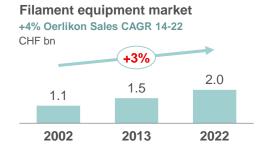
Oerlikon with ~45% global equipment market share for manmade fibers used in apparel (filament)

Mid-term growth drivers Polymer Processing Solutions





- Filament equipment market grew with 3% CAGR 02-22 driven by underlying manmade fibers market growth, innovation, rising GDP and limited alternative resources
- Positive mid-term outlook supported by need for energy saving machines and intact historical growth drivers
- 2023 and 2024 with transitory sales headwinds resulting from customers postponing investment decisions ¹



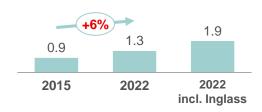


Fragmented Non-Filament markets

- Market share gain supported by technology synergies with Filament and highly fragmented markets
- 2023 and 2024 impacted by customers postponing Capex decisions in some end markets
- Non-Filament scope to be reviewed in context of pure play strategy

Non-Filament equipment market

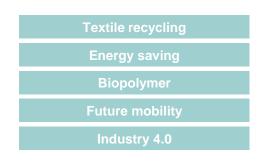
+8% Oerlikon sales CAGR 15-22





Upside from long-term trends

- Drive R&D to capitalize on long-term trends like textile recycling and biopolymers beyond 2025
- Supported by leveraging of machinery and process knowhow as well as market access





Short-term impacted by headwinds



Operational Execution & ESG

Enabling Profitable Growth and Avoided Carbon Emissions for Customers



Operational focus to drive profitable growth





Grow & innovate

3 focus areas

- Drive sustainable innovation and technology leadership to outgrow markets
- Leverage technology leadership into new growth areas and geographies; organically and with accretive M&A



Technology leadership



Improve profitability

- Apply strict cost focus and benefit from operating leverage
- Improve ROCE supported by strengthened capital allocation framework
- Optimize portfolio towards high-margin solutions
- Balance sheet strength

Capital allocation framework



Drive sustainability progress

- Enable customers' sustainability and efficiency: Provide ecological and economical value propositions by focusing R&D and new products on sustainability criteria
- Drive Oerlikon's environmental and social progress, focus on strong corporate culture

Sustainability proposition

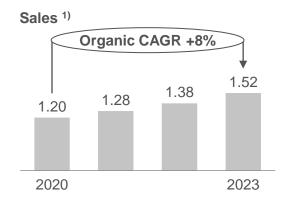
Growth & innovation track record



Surface Solutions

Pure Play Focus

Demand driven by sustainability and efficiency

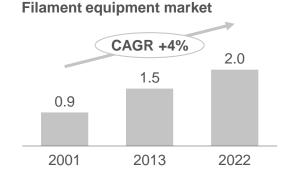


- Geographic expansion in Americas (2023: +13% ²) supported by new organization
- Leverage technology leadership into new areas: e.g. battery shielding, semiconductors, luxury and hydrogen
- Innovate: e.g. launching next generation coatings, broaden customer reach via online sales platform

Mid-term demand driven by rising GDP and limited alternative resources

Polymer Processing Solutions

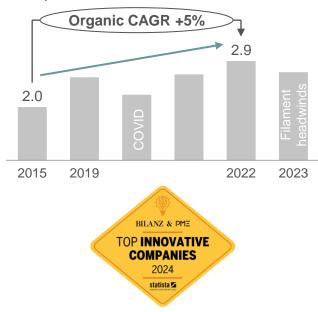
Evaluating options for value creative separation of Manmade Fibers



- Leadership in filament: in terms of innovation (e.g. WINGS) and market share (~45%); 2023/24 impacted by cyclical downturn
- Non-Filament market share gain supported by technology synergies with Filament and highly fragmented markets
- Upside from long-term trends, e.g. textile recycling



Group sales¹:



¹⁾ CAGR is FX adj. and excludes M&A; Group sales exclude the Drive Systems Division which was divested in 2019; 2) FX adjusted

Growth accelerated by sustainable megatrends



Oerlikon R&D on

Energy consumption

Water consumption

Social impact

Waste emissions

Raw material consumption

Service time

Oerlikon's coatings for Tooling/Aviation save >100% of Swiss CO₂ emissions



20x lifetime extension ³ of a metal tool through coating (vs. uncoated)

Resulting in significant metal saving, saving annually ~8.3 mio metric tons CO₂ or ~28% of Swiss CO₂ emissions ⁴⁾





Coatings on aero turbine increase efficiency ~5%

Equals ~26 mio metric tons of CO₂ reduction annually¹... ~88% of Swiss emissions ⁴⁾





Coatings and hot runner systems **enable lightweight** materials

10% less weight extends car driving range by 5-7%...for a 650km EV this is equivalent to a **marathon**





Manmade fibers are **less resource intensive** than natural fibers and increasingly recyclable

A cotton t-shirt requires around 1'300l of water compared to ~8l for polymers... savings equivalent to ~9 bathtubs





~30% energy saving with new filament equipment

Annual $\rm CO_2$ emission savings 2 of Oerlikon winders of 2.6mt... equivalent to annual gasoline consumption of ~500k cars



¹⁾ Across 2019 installed base of aero engines; 2) Data per 2020 installed base for new vs. older generation of FDY on POY take-up and winding machinery; 3) 20x reflects average across tooling, with peak extension up to 160x; 4) 29.6 mio metric tons as per 2022

Strengthening the base for profitable growth

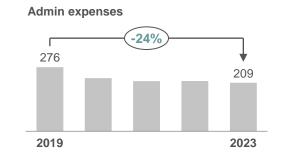




Portfolio

optimization

- 24% overhead savings since 2019, despite 3 acquisitions
- Proactive cost actions initiated in Q4'22 ahead of filament headwinds
- Continued focus on efficiency incl. digitalization and footprint optimization of coating centers





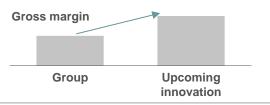
 Following inline ePD exit in Q4'22, exiting Teknoweb / OBA-Automation and realigning AM in Q4'23, thereby structurally improving profitability Capital allocation framework

ROCE
Allocate Capex and R&D

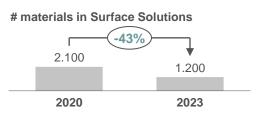
Selectively reinvest to bring to top right

Sales CAGR

 Upcoming innovation attractively priced in Surface Solutions, enabled by strengthened capital allocation framework with increased focus on commercialization



 Eliminating products which are subscale and dilutive in Surface Solutions' materials and equipment portfolio



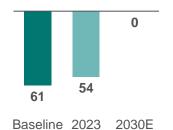


Taking measures to structurally improve mid-term profitability

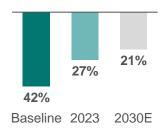
Progressing towards 2030 ESG targets



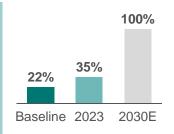
Reduce emission intensity (scope 1&2) in relevant operations to become climate neutral ¹



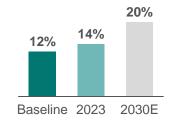
Reduce % of disposed waste



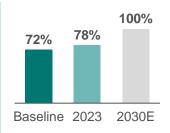
Increase % of electrical energy from **renewable** sources



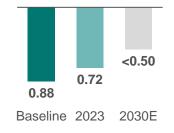
Increase % of women in management and leadership roles



Increase % R&D investment in products that must cover ESG criteria



Reduce rate of recordable work-related **injuries** (TAFR)





¹⁾ Measured in tons CO₂ eq / CHFm sales; More information can be found in the Oerlikon Sustainability Report online

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